

Annual (April 1, 2011 to March 31, 2012) Performance Evaluation Report of RSCs i.e. Institutions for the year 2011-2012

Name of the Division: Crop Science Division

Name of the Institution: National Bureau of Agriculturally Important Insects, Bangalore

RFD Nodal Officer: Dr. B. S. Bhumannavar, Principal Scientist & I/c PME and RFD

Objectives	Weight	Action	Success Indicator	Unit	Weight	Target/ Criteria/ Value					Achievements	Performance	
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score
						100%	90%	80%	70%	60%			
1. Augmentation of genetic resources of agriculturally important insects, insect derived resources and bioagents	20	Field collection of germplasm	Number of explorations made	Number	5	217	195	175	170	160	1050	100%	5
		Identification of field collected specimens	Number of specimens identified	Number	5	581	580	525	500	475	8903	100%	5
		Biosystematic studies on specific groups of insects	Number of groups	Number	5	5	4	3.5	3	2.5	15	100%	5
		Molecular characterization	Number of GenBank accessions, gene sequences, Barcodes developed	Number	5	106	100	95	90	170	380	100%	5
2. Conservation, evaluation and utilization of beneficial insects in various agro-climatic situations	15	Ex situ conservation	Number of cultures	Number	5	305	295	285	275	265	1725	100%	5
		Supply of insect and bioagent resources	Number of cultures	Number	5	281	275	265	260	255	880	100%	5
		Evaluation	Number of experiments	Number	5	39	35	33	30	27	274	100%	5
3. Identification tools and	10	Fact sheets	Number of species/ isolates	Number	5	12	11	10	9	8	167	100%	5

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databases on agriculturally important insect resources and bioagents		Electronic cataloguing	Number of entries	Number	5	400	375	360	350	335	4582	100%	5
4. Classical biological control of alien invasive pests	10	Control of invasive alien species (Papaya mealy bug, parthenium weed)	Evaluation of introduced bioagents	Number of bioagents	5	1	0.5	0	0	0	3	100%	5
			Number of field releases of bioagents	Number	5	35	33	30	27	25	144	100%	5
5. Development of technology of mass production and formulations of biocontrol agents	8	Mass production of bioagents	Standardization of Techniques	Number	4	7	6	5	4	3	56	100%	4
		Formulation of microbial biocontrol agents	Development of formulations	Number	4	4	3	3	2	2	35	100%	4
6. Semiochemical mediators for the management of crop pests and to enhance the performance of beneficial insect resources	10	Pheromone polymorphism in <i>Helicoverpa</i>	Identification of pheromone blends	Number	3	3	2	1	0	0	7	100%	3
		Semiochemicals for <i>Oryctes</i> and <i>Rhynchophorus</i>	Identification of volatiles	Number	2	2	1	0	0	0	0	0	0
		Development and characterization of Nano-formulations	Synthesis of formulation	Number	3	1	1	0	0	0	1	100%	3
		Identification of pollinator profiles	Number of floral profiles	Number	2	1	0	0	0	0	2	100%	2

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7. Use of bioinformatic tools for developing genomic/ nucleotide database for insects and biocontrol agents	8	Bioinformatics data mining for gene sequences of insect genetic resources	Number of sequences	Number	4	5000	4750	4500	4250	4000	12577	100%	4
		Proteomics and genomics data base	Structuring of data base	Number	4	1	0	0	0	0	2	100%	4
8. Commercialization and transfer of technology	8	Sale of bioagents	Number of cultures	Number	3	280	270	260	250	240	742	100%	3
		Transfer of Technologies	Technologies transferred	Number	3	5	4	3	2	1	107	100%	3
		Patents	Patent applications filed	Number	2	1	0	0	0	0	4	100%	2
9. Efficient functioning of RFD	11	Timely submission of RFD for 2011-12	On-time submission	Date	2	March 31 2011	April 3 2011	April 4 2011	April 5 2011	April 6 2011	0	0	0
		Timely submission of results for 2011-12	On-time submission	Date	1	May 1 2012	May 3 2012	May 4 2012	May 5 2012	May 6 2012	0	0	0
		Finalize a strategic plan for RC	Finalize the strategic plan for next 5 years	Date	2	Dec 10 2011	Dec.1 5 2011	Dec 20 2011	Dec 24 2011	Dec 31 2011	0	0	0
		Identify potential areas of corruption related to organizational activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption	Date	2	Dec 10 2011	Dec.1 5 2011	Dec 20 2011	Dec 24 2011	Dec 31 2011	0	0	0

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		Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review Citizen's charter	Date	2	Dec 10 2011	Dec.15 2011	Dec 20 2011	Dec 24 2011	Dec 31 2011	0	0	0
			Create a Sevottam Compliant system to redress and monitor public Grievances	Date	2	Dec 10 2011	Dec.15 2011	Dec 20 2011	Dec 24 2011	Dec 31 2011	0	0	0
			Total Weight		100								

Total Composite Score: 87.0%

RATING: V E R Y G O O D

Procedure for computing the Weighted and Composite Score

1. **Weighted Score of a Success Indicator = Weight of the corresponding Success Indicator x Raw Score / 100**
2. **Total Composite Score = Sum of Weighted Scores of all the Success Indicators.**
3. **Raw score for achievement = Obtained by comparing achievement with agreed target values. Example: Values between 80% (Good) and 70% (Fair), the raw score is 75%.**

Departmental rating	Value of Composite score
Excellent	100-96%
Very Good	95-86%
Good	85-76%
Fair	75-66%
Poor	65% and below